## UNITED STATES PATENT AND TRADEMARK OFFICE

| Applicant: Hajji et al.   | ) Group Art Unit: Unknown  |
|---|--|
| Application No.: Unknown  | ) Examiner: Unknown  |
| Confirmation No.: Unknown   | )  |
| Filed:  | )  |
| Attorney Doc. No. SJO920020150US1   | )  |
| Title: Using Redundant Spares to Reduce Storage Device Array Rebuild Time | ) ) ) ) ) I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING DEPOSITED IN AN ENVELOPE WITH THE UNITED STATES POSTAL SERVICE "EXPRESS MAIL POST OFFICE TO ADDRESSEE" SERVICE UNDER 37 C.F.R. 1.10 ON THE DATE INDICATED BELOW, AND SUCH ENVELOPE IS ADDRESSED TO: MAIL STOP PATENT APPLICATION COMMISSIONER FOR PATENTS P.O. BOX 1450 ALEXANDRIA, VA 22313-1450 ON (DATE) June 25, 2003 TIMOTHY N. ELLIS, REG. NO. 41.734 |

## **INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

Information Disclosure Statement forms (PTO/SB/08A and 08b), and a copy of each document listed on the forms, are attached for the examiner's consideration.

Respectfully submitted,

lim Ellis

Timothy N. Ellis Reg. No. 41,734

Attorney for Applicant

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

| Substitute for form 1449/PTO  |                 | Compl t if Known       |                 |  |  |
|---|-----------------|------------------------|-----------------|--|--|
|   |                 | Application Number     |                 |  |  |
| INICODRA  | TION DISCLOSURE | Filing Date            |                 |  |  |
| INFORMATION DISCLOSURE<br>STATEMENT BY APPLICANT<br>(Use as many sheets as necessary) |                 | First Named Inventor   | Hajji           |  |  |
|   |                 | Art Unit               |                 |  |  |
|   |                 | Examiner Name          |                 |  |  |
| Sheet 1   | of 2            | Attorney Docket Number | SJO920020150US1 |  |  |

|                       |              |  | U. S. PATEN                    | DOCUMENTS  |   |  |
|-----------------------|--------------|--|--------------------------------|--|---|--|
| Examiner<br>Initials* | Cite<br>No.1 | Document Number  Number-Kind Code <sup>2</sup> (* known) | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |  |
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|                       | <u></u>      | US-  |                                |  |   |  |
|                       |              | US-  |                                |  |   |  |

|                    | FOREIGN PATENT DOCUMENTS |   |                     |  |   |                |  |  |
|--------------------|--------------------------|---|---------------------|--|---|----------------|--|--|
| Examiner Initials* | Cite<br>No.1             | Foreign Patent Document   | Publication<br>Date | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages |                |  |  |
|                    |                          | Country Code <sup>3 -</sup> Number <sup>4 -</sup> Kind Code <sup>5</sup> (if known) | MM-DD-YYYY          |  | Or Relevant Figures Appear                        | T <sup>6</sup> |  |  |
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| Examiner  | Date       |  |
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at <a href="www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Translation is attached.

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|                                   |            |                      |       | Application Number     |                 |  |
| INF                               | ORMATION I | DISCLO               | SURE  | Filing Date            |                 |  |
| STATEMENT BY APPLICANT            |            | First Named Inventor | Hajji |                        |                 |  |
|                                   |            |                      |       | Art Unit               |                 |  |
| (Use as many sheets as necessary) |            |                      | 1)    | Examiner Name          |                 |  |
| Sheet                             | 2          | of                   | 2     | Attorney Docket Number | SJO920020150US1 |  |

| NON PATENT LITERATURE DOCUMENTS |   |   |    |  |
|---------------------------------|---|---|----|--|
| Examiner<br>Initials*           | Cite<br>No.1                            | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T² |  |
|                                 |   | CHEN, M, HSIAO, H., and YU, P.S., "Optimal Data Allotment to Build High Availability and High Performance Disk Arrays", IBM Technical Disclosure Bulletin, May 1994, pages 75-80, Vol. 37, No. 05, IBM Corp.  |    |  |
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| Examiner<br>Signature           |   | Date<br>Considered  |    |  |

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1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

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